

Package ‘TangPoemR’

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Type Package

Title Write Chinese Tang Poems

Version 0.1.0

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Description Write Chinese Tang Poems automatically.

Imports jiebaR

License GPL (>= 2)

Depends R (>= 3.0)

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation no

Repository CRAN

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Description

The package helps generate Chinese Tang poems automatically.

Details

We created our poems dataset from Three Hundred Tang Poems:

```
#import the file "Three Hundred Tang Poems"
fileName <- "Three Hundred Tang Poems.txt"
SC <- readChar(fileName, file.info(fileName)$size)
#the process of text segmentation
library(jiebaR)
cc = worker()
analysis <- as.data.frame(table(cc[SC]))
names(analysis) <- c("word", "freq")
analysis$word <- as.character(analysis$word)
#set the example poems sp5, sp7
tagger <- worker("tag")
sp5_2 <- tagger <= sp5
sp7_2 <- tagger <= sp7
example <- subset(analysis, freq > 1 & nchar(word) < 3 & freq < 300)
#extract the examples' parts of speech
cixing5 <- attributes(sp5_2)$names
cixing7 <- attributes(sp7_2)$names
#get the dataset
example_2 <- tagger <= example$word
```

Now, with our dataset, this package can automatically generate Chinese Tang poems of our specified length(5 or 7).

Value

no return

Note

The package helps people experience Chinese ancient poetry culture with R.

Author(s)

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References

nothing

See Also

nothing

Examples

write_tangpoem(5)

write_tangpoem

Write Chinese Tang Poems

Description

This package write Chinese Tang Poems automatically

Usage

write_tangpoem(n)

Arguments

n should be the length of the poem

Examples

write_tangpoem(5)

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* **Tang Poems, Language Processing**

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